

AMENDMENTS TO THE SPECIFICATION

Please replace the present title with the following amended title:

"A METHOD OF RESTORING PHASE INFORMATION BY CORRECTING A BLUR
AMOUNT AND USING A LAPLACIAN OF PHASE"

Please replace page no. 11, line 24 to page no. 12, line 17 with the following amended paragraph:

In this embodiment, an X-ray tube is used as the X-ray source 12. Fig. 3 shows construction of the X-ray tube for generating X-rays. As shown in Fig. 3, when a predetermined potential difference is given between an anode 121 and a cathode 122, which have been enclosed in a vessel of glass 120, an electron flow is generated from a filament 123. The electron flow generated from the filament 123 is focused by a focusing electrode 124 so as to collide with a target (tungsten) 126. set on a copper body 125 in accordance with electric fields caused by the potential difference between the anode 121 and the cathode 122. By this, X-rays are generated from the target 126. Therefore, the X-ray source is not a point radiation source, but the x-rays have a certain spread. The spread is referred to as a focal size of the X-ray source and is represented by using the standard deviation in the ease of expressing the intensity distribution of the x-ray source in accordance with Gaussian distribution. Hereinafter, the standard deviations (focal size) of intensity distributions in the x and y directions are represented by σ_x and σ_y , respectively. Also, in the case of using a radiation source other than the x-ray tube, the focal size can be similarly considered.